

Abstract of the Disclosure

A method and system for estimating the signal-to-interference plus noise ratio (SINR) of the common pilot channel (CPICH) in a W-CDMA receiver. The SINR estimation is carried out after chip level filtering and then the despreading of the CPICH channel. In the case of space-time transmit diversity, a virtual space-time decoding is used on the CPICH channel in order to mimic data channel data channel space-time transformation. The estimated SINR can be used for a User Equipment to report its channel quality indicator to a Node B.

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